

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Raffel *et al.*
 APPLICATION NO.: Not Assigned
 FILED: Herewith
 FOR: **CORDLESS CELLULAR SYSTEM**

EXAMINER: William D. Cumming
 ART UNIT: 2684

**Information Disclosure Statement Within Three Months of
 Application Filing or Before First Action – 37 C.F.R. § 1.97(b)**

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

1. Timing of Submission

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Cited Information

- ☒ Copies of the following references can be found in parent U.S. Applications.
 - ☒ All cited references listed on Form PTO 1449.
 - ☐ References marked by one asterisk (*)
 - ☐ The following:
- ☐ The following references are not in English. For each such reference, the undersigned has enclosed (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference, (iii) a copy of a reference which appears to be an English-language counterpart, or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.
 - ☐ All cited references
 - ☐ References marked by ampersands

☐ The following:

3. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

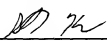
4. Fee Payment

No fees are believed due. However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665. Patent Term Adjustment (37 C.F.R. § 1.704(d))

- ☐ The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Respectfully submitted,
Perkins Coie LLP

Date: August 22, 2003



Steven S. Kelley
Registration No. 43,449

Correspondence Address:

Customer No. 30083
Perkins Coie LLP
P.O. Box 1247
Seattle, WA 98111-1247
(206) 583-8888

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	Not Assigned
				Confirmation Number	Not Assigned
				Filing Date	August 22, 2003
				First Named Inventor	Michael A. Raffel
				Group Art Unit	2684
Examiner Name	William D. Cumming				
Sheet	1	of	5	Attorney Docket No.	10194-8010.US11

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
		3,588,365		McNeilly	06/1971	
		4,086,442		Rickard	04/1978	
		4,313,035		Jordan et al.	01/1982	
		4,392,220		Hirosaki et al.	07/05/1983	
		4,508,937		Burger et al.	04/1985	
		4,554,668		Deman et al.	11/19/1985	
		4,613,990		Halpern	09/23/1986	
		4,675,863		Paneth et al.	06/23/1987	
		4,748,655		Thrower et al.	05/1988	
		4,752,951		Konneker	06/1988	
		4,783,780		Alexis	11/08/1988	
		4,790,000		Kinoshita	12/06/1989	
		4,797,948		Milliom & Bromley	01/10/1989	
		4,831,647		D'Avello et al.	05/16/1989	
		4,876,738		Selby	10/24/1989	
		4,905,302		Childress et al.	02/27/1990	
		4,953,197		Kaewell, Jr. et al.	08/1990	
		4,977,589		Johnson et al.	12/11/1990	
		4,989,230		Gillig et al.	01/1991	
		5,020,091		Krolopp	05/28/1991	
		5,127,042		Gillig et al.	06/1992	
		5,127,661		Franson et al.	07/1992	
		5,161,168		Schilling	11/1992	
		5,191,593		McDonald & Pickert	03/02/1993	
		5,193,101		McDonald et al.	03/09/1993	
		5,197,092		Bamburak	03/1993	
		5,210,771		Schaeffer & Kotzin	05/11/1993	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

U.S. PATENT DOCUMENTS

	U.S. Patent or Application		
	5,210,784	Wang & Reich	05/11/1993
	5,210,785	Sato et al.	05/1993
	5,210,786	Itoh	05/11/1993
	5,212,684	MacNamee	05/1993
	5,224,120	Schilling	06/29/1993
	5,228,026	Albrow et al.	07/13/1993
	5,239,538	Teel, Jr. et al.	08/1993
	5,241,537	Gulliford et al.	08/1993
	5,263,045	Schilling	11/16/1993
	5,287,544	Menich et al.	02/15/1994
	5,289,527	Tiedeman, Jr.	02/22/1994
	5,309,502	Hirai	05/1994
	5,335,357	Fennell et al.	08/1994
	5,353,331	Emery et al.	10/1994
	5,361,399	Linguist & Lorang	11/01/1994
	5,367,558	Gillig et al.	11/1994
	5,388,149	Lynn et al.	02/1995
	5,406,615	Miller et al.	04/11/1995
	5,418,838	Havermans et al.	05/1995
	5,418,839	Knuth et al.	05/1995
	5,425,030	Comroe et al.	06/13/1995
	5,428,668	Dent & Haartsen	06/27/1995
	5,428,687	Willcocks & Fosgate	06/27/1995
	5,438,608	Kojima	08/01/1995
	5,442,680	Schellinger et al.	08/1995
	5,463,674	Gillig & Pedersen	10/31/1995
	5,469,115	Peterzell et al.	11/21/1995
	5,471,649	Rees et al.	11/1995
	5,497,503	Rydberg et al.	03/05/1996
	5,509,052	Chia et al.	04/1996
	5,513,176	Dean et al.	04/30/1996
	5,513,248	Evans et al.	04/30/1996
	5,519,884	Duque-Anton & Ruber	05/21/1996
	5,533,027	Åkerberg et al.	07/02/1996
	5,533,029	Gardner	07/02/1996
	5,535,215	Hieatt III	07/09/1996

U.S. PATENT DOCUMENTS					
		U.S. Patent or Application			
		5,539,728		Gaiani et al.	07/1996
		5,548,586		Kito & Toyoda	08/20/1996
		5,559,866		O'Neill	09/24/1996
		5,570,349		Bustamante et al.	10/29/1996
		5,570,367		Ayanoglu et al.	10/1996
		5,574,979		West	11/12/1996
		5,574,993		Kobayashi et al.	11/12/1996
		5,577,103		Foti	11/19/1996
		5,581,594		McAfee	12/03/1996
		5,581,597		Dent & Haartsen	12/03/1996
		5,588,043		Tiedemann, Jr. et al.	12/24/1996
		5,592,480		Carney et al.	01/07/1997
		5,592,490		Barratt et al.	01/07/1997
		5,592,676		Bonnafox	01/07/1997
		5,592,677		Intrater et al.	01/07/1997
		5,594,782		Zicker & Dion	01/14/1997
		5,600,709		Höflinger	02/04/1997
		5,610,972		Emery et al.	03/11/1997
		5,617,060		Wilson et al.	04/01/1997
		5,629,967		Leksell et al.	05/13/1997
		5,675,629		Raffel et al.	10/07/1997
		5,678,186		Lee	10/14/1997
		5,710,973		Yamada	01/20/1998
		5,715,516		Howard	02/03/1998
		5,722,070		Alford	02/1998
		5,745,850		Aldermeshian et al.	04/28/1998
		5,768,267		Raith et al.	06/16/1998
		5,812,955		Dent et al.	09/1998
		5,862,485		Linneweh, Jr. & Houghton	01/19/1999
		5,884,140		Ishizaki et al.	03/16/1999
		5,911,120		Jarett et al.	06/08/1999
		5,920,815		Akhavan	07/06/1999
		5,926,760		Khan & Saizan	07/20/1999
		5,933,774		Bertocci	08/03/1999
		5,956,638		Chang & Noerpei	09/21/1999
		5,960,341		LeBlanc et al.	09/28/1999

U.S. PATENT DOCUMENTS

	U.S. Patent or Application			
	5,966,428		Perez & Ramos	10/12/1999
	5,966,668		Lindroth	10/12/1999
	5,991,345		Ramasastri	11/23/1999
	5,995,839		Coursey et al.	11/30/1999
	6,014,376		Abreu et al.	01/11/2000
	6,021,123		Mimura	02/01/2000
	6,021,333		Anderson et al.	02/01/2000
	6,058,305		Chavez, Jr.	05/02/2000
	6,085,109		Koga	07/04/2000
	6,088,431		LaDue	07/11/2000
	6,088,598		Marsolais	07/11/2000
	6,112,098		Flint et al.	08/29/2000
	6,125,285		Chavez, Jr. et al.	09/26/2000
	6,128,485		Mori et al.	10/03/2000
	6,131,043		Shimizu	10/10/2000
	6,151,510		Zicker	11/21/2000
	6,167,278		Nilssen	12/26/2000

FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
		JP	57041064		Shohei	06/03/1982		
		WO	92/08324		Koohgoli et al.	05/14/1992		
		EP	0544095		Kotzin	06/02/1993		
		WO	94/03993		Felix & Stern	02/17/1994		
		DE	4236777		Ruther	05/05/1994		
		EP	0649266		Bohn	04/19/1995		
		EP	0661837		Ito et al.	07/05/1995		
		EP	0668627		Barton et al.	08/23/1995		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		TIA/EIA INTERIM STANDARD, 800MHz TDMA Cellular - Radio Interface - Mobile Station - Base Station Compatibility - Digital Control Channel, Telecommunications Industry Association, TIA/EIA/IS-136.1, Dec. 1994.	
		TIA/EIA INTERIM STANDARD, 800MHz TDMA Cellular - Radio Interface - Mobile Station - Base Station Compatibility - Traffic Channels and FSK Control Channel, Telecommunications Industry Association, TIA/EIA/IS-136.2, Dec. 1994.	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		TIA/EIA INTERIM STANDARD, 800MHz TDMA Cellular - Radio Interface - Minimum Performance Standards for Mobile Stations, Telecommunications Industry Association TIA/EIA/IS-137, Dec. 1994.	
		TIA/EIA INTERIM STANDARD, 800MHz TDMA Cellular - Radio Interface - Minimum Performance Standards for Base Stations, Telecommunications Industry Association TIA/EIA/IS, 138, Dec. 1994.	
		TIA/EIA INTERIM STANDARD, 800MHz TDMA Cellular - Radio Interface - Mobile Station - Base Station Compatibility - Digital Control Channel, Telecommunications Industry Association, TIA/EIA/IS-136.1-1 (Addendum No. 1), Oct. 1995.	
		TIA/EIA INTERIM STANDARD, TDMA Cellular/PCS - Radio Interface - Minimum Performance Standards for Mobile Stations, Telecommunications Industry Association TIA/EIA/IS-137-A (Revision), July 1996.	
		TIA/EIA INTERIM STANDARD, TDMA Cellular/PCS - Radio Interface - Minimum Performance Standards for Base Stations, Telecommunications Industry Association TIA/EIA/IS-138-A (Revision), July 1996.	
		PCT International Search Report, PCT/US96/14443, September 6, 1996.	